TRACHTE BUILDING SYSTEMS, INC.
MINI-STORAGE BUILDING
1/4:12 PITCH

Project description x New _ Addition _ Alteration _ Change of Use _ Other_____		
Major occupancy or occupancies Self-service storage buildings, Medium Hazard Industrial Occupancy		
Importance category Low	**Building Classification** F-2	**High building? (Yes or no)** No
Building area 445.9m²	**Gross area of building** 445.9m²	**Building height** 2.54m
Stories below grade 0	**Stories above grade** 1	**Number of streets/access routes**
Sprinkler system proposal (If needed, how many and where?) None		
Standpipe requirements (How many and which floors?) None		
Fire alarm requirements (Need alarms or not? If so, how many and where?) None		
Adequacy of water service or supply for firefighting purposes (Municipal? Onsite? Etc.) To be determined by others, not with in Trachte's scope of work.		
Construction restrictions (combustible, non-combustible or both) Non-combustible		
Mezzanine information (number, area, location) None		
Occupancy load per floor and method of determination N/A Per Section 3.10.2.2		
Provision of barrier-free design None Per Section 3.8.1.1(c)		
Presence of hazardous materials in the building (If present, where and how much?) None		
Requirements respecting fire resistance rating of horizontal assemblies and supporting members None		
Exterior wall construction type and requirements respecting spatial separations Non-combustible		
Plumbing fixture requirements (Number of toilets, sinks, etc.) None per 3.7.4.1(3)		

Sheet Index

REVISION	By	Date

LICENSED PROFESSIONAL ENGINEER
01/21/22
W. M. HOGAN
20024014
PROVINCE OF ONTARIO

Abbreviations

Terms		Terms		Colors	
BEW	Blank Endwall	NTS.	Not To Scale	ASGY	Ash Gray
BSW	Blank Sidewall	O.C.	On Center	BWHT	Bright White
BLDG.	Building	OPP.	Opposite	CDRD	Cedar Red
CNR	Corner	PART	Partition	CLBG	Classic Beige
COL	Column	PT	Partition	CRMB	Cream Beige
CTR.	Center	PSF	Pounds Per Sq. Foot	CONB	Contl. Brown
DIA.	Diameter	PTD.	Painted	DTAN	Desert Tan
DBL.	Double	QTY.	Quantity	EVGN	Evergreen
EPDM	Ethylene-Propylene-Diene-Monomer	REQ'D.	Required	GARN	Garnet
EW	Endwall	R.O.	Rough Opening	IWHT	Iced White
EXT	Exterior	S.D.	Self Drilling	ORAN	Sunset Orange
F.O.	Finished Opening	STR.	Starter	PLBL	Polar Blue
F.M.	Field Modify	TYP.	Typical	ROYB	Royal Blue
GA.	Gauge	WWF	Welded Wire Fabric	SGRY	Slate Gray
GALV.	Galvanized				
GALVM.	Galvalume				
I.D.	Inside Diameter				
INT	Interior				
MISC.	Miscellaneous				
MPH	Miles Per Hour				
NOM.	Nominal				

Part Numbering

10-DIGIT PART NUMBER: 5000 | 5000 | 00
COMPONENT | NUMBER | COLOR GAUGE

- 2-DIGIT CODE — IDENTIFIES MATERIAL COLOR OR GAUGE; STRUCTURAL PARTS USE GAUGE CODE; NON-STRUCTURAL PARTS USE COLOR CODE
- 4-DIGIT RANDOM NUMBER — RANGE FROM 0000 TO 9999; MOST COMPONENTS WILL FOLLOW A LOGICAL SEQUENCE BASED ON HOW OR WHERE THEY ARE USED ON A BUILDING
- 4-DIGIT COMPONENT CODE — THIS IDENTIFIES A CLASS OF PARTS SUCH AS COLUMNS, HEADERS, BASEPLATES ETC.

9-DIGIT NUMBER: 33 . (Imaginary Decimal Point)
COMPONENT | FINISH | LENGTH

- 5-DIGIT LENGTH — FIRST 3-DIGITS = INCHES; LAST 2-DIGITS ARE DECIMAL (FRACTION); ALWAYS IMAGINE A DECIMAL POINT BEFORE LAST 2-DIGITS
- 2-DIGIT CODE — IDENTIFIES MATERIAL COLOR OR GAUGE; STRUCTURAL PARTS USE GAUGE CODE; NON-STRUCTURAL PARTS USE COLOR CODE
- 2-DIGIT PROFILE CODE — THIS IDENTIFIES A STANDARD PROFILE SUCH AS PANELS, TRIMS, STUDS, ETC.

2-DIGIT GAUGE CODES
12 = 12-GAUGE
14 = 14-GAUGE
16 = 16-GAUGE
18 = 18-GAUGE

2-DIGIT COLOR CODES
80 = Galvanized
82 = Galvalume

2-DIGIT WALL & TRIM COLOR CODES
60 = Cream Beige
61 = Slate Gray
62 = Classic Beige
63 = Iced White
27 = Light Stone

2-DIGIT DOOR or TRIM COLOR CODES
13 = Patrician Bronze
15 = Tudor Brown
18 = Brite Red
26 = Matte Black
21 = Ash Gray
26 = Matte Black
27 = Light Stone
31 = Patriot Red
32 = Lime Green (Door)
40 = Sunset Orange
41 = Desert Tan
42 = Polar Blue
43 = Royal Blue

2-DIGIT DOOR or TRIM COLOR CODES
44 = Contl. Brown
45 = Garnet
46 = Evergreen
47 = Cedar Red
48 = Shale
55 = Medium Bronze
63 = Iced White
64 = Bright White (Door)
68 = U-Haul Sierra Orange
73 = Midnight Bronze

2-DIGIT S.S. Roof COLOR CODES
10 = Regal White
11 = Roman Blue
12 = Evergreen
13 = Patrician Bronze
14 = Surrey Beige
19 = Charcoal
22 = Dark Bronze
23 = Regal/Harbor Blue
24 = Colonial Red
26 = Matte Black
82 = Galvalume

2-DIGIT Special COLOR CODES
28 = Clay
33 = Polar White
37 = Sand Stone
38 = VP Charcoal Black
39 = VP Patrician Bronze
49 = Natural Stone
56 = Koko Brown
65 = Yellow
66 = Silver Metallic
67 = Birch White
71 = Hawaiian Blue

6-DIGIT PART NUMBERS ARE ALSO USED. THESE FOLLOW NO SPECIFIC STRUCTURE. THEY ARE COMMONLY USED FOR FASTENERS, SWING DOORS, PEAK BOXES, AND SOME OTHER PARTS.

Most of Trachte's standard color codes are shown. Special colors are not shown. Permit plans may not show the correct color of your desired building. The final erection set of drawings may show the correct colors ordered. The colors may not always be shown within the drawing set but the material listing will always show the correct color for the part listed.

Glossary

Anchor Bolts -- (Concrete Screws) Bolts used to anchor eave/base angles or channels, and base plates to a foundation or other support.

Angle, Eave/Base -- Channel, Eave/Base An angle or channel used at the base or top of a paneled wall section. Channels are usually used when the wall section is insulated.

Base Plate -- A plate attached to the bottom of a column or jamb which rests on a foundation or other support, usually secured by anchor bolts.

Bracing -- Angles or straps used in the plane of the roof and walls to transfer loads, such as wind, seismic and crane thrusts to the foundation.

Bridging -- Series of bracing used in the roof framing to stiffen purlins.

Clip -- A plate or angle used to fasten two or more members together.

Column -- A main member used in a vertical position on a building to transfer loads from main roof rafters, or purlins to the foundation.

Eave -- The line along the sidewall formed by the intersection of the planes of the roof and wall.

Footing -- A pad or mat, usually of concrete, located under a column, wall or other structural member, that is used to distribute the loads from that member into the supporting soil.

Girt -- A horizontal structural member that is attached to sidewall or endwall columns and supports paneling.

Gutter -- A light gauge metal member at an eave, valley or parapet designed to carry water from the roof to downspouts or drains.

Header -- The horizontal framing member located at the top of a framed opening, (doors).

Jamb -- The vertical framing members located at the sides of an opening (doors).

Purlin -- A horizontal structural member which supports roof covering.

Rafter -- The main beam supporting the roof system.

Rake Angle -- Angle fastened to purlins at rake for attachment of endwall or partition panels.

Structural Line -- Usually chalk lines laid out on the foundation to aid in placing columns and other structural components of a building floor plan. Accurate placement of these lines is critical to erecting a building.

Rake Trim -- A trim designed to close the opening between the roof and endwall panels.

Ridge -- The horizontal line formed by opposing sloping sides of a roof running parallel with the building length.

Symbols & Materials

- 2 — Revision Indicator
- 01 — Notation Reference
- Detail / Page — Detail Identification/Reference
- Detail — Detail Identification
- Detail / Page — Section Identification/Reference
- Part No. — Part Number Identification
- 12 / 4 — Rise/Run Identification
- NORTH — North Arrow
- Concrete
- Earth
- Insulation
- ▲ DS — Down Spout

Code Summary

CODE	2012 ONTARIO BUILDING CODE
USE GROUP	GROUP F, DIVISION 2
WIND PRESSURE (1/50)	0.4 KPa
GROUND SNOW LOAD	3.1 KPa
RAIN SURCHARGE	0.4 KPa
SPECTRAL RESPONSE ACCELERATION (S 0.2)	0.14
SPECTRAL RESPONSE ACCELERATION (S 0.5)	0.094
SPECTRAL RESPONSE ACCELERATION (S 1.0)	0.059
SPECTRAL RESPONSE ACCELERATION (S 2.0)	0.020
SITE CLASS	D

General Notes

Structural Fasteners

Trachte structural bolts are SAE J429-Grade-2 or ASTM A307A unless specifically noted. These are typically Trachte Part No's 760110 & 764200. All bolt holes shall be aligned to permit insertion of bolts without undue damage to threads. Bolts shall be placed in all holes and nuts threaded to complete assembly. Compacting joint to snug-fit condition shall progress systematically from most rigid part of joint. Snug-tightened condition is tightness attained with a few impacts of impact wrench or full effort of ironworker using ordinary spud wrench to bring connected plies into firm contact.
Specification for Structural Joints Using High Strength Bolts, December 31, 2009

Self Drilling Fasteners

Use self-drilling screws in the locations, quantities, and methods shown or noted on these drawings. Self-Drilling Fasteners should be used in accordance with SAE J78 specifications for Self-Drilling Screws.

WARNING: When installing Self-Drilling screws, take care to minimize exposed screwpoint hazard, by locating screws next to panel bends and near recessed corners of angles.

Structural Bracing

All structural bracing is an integral part of the structural system and should be installed where noted or shown on the Floor Plans & Roof Framing Plans all connections should be consistent with all details related to installation of bracing components. Removal or alteration of bracing without prior authorization is prohibited.

Temporary Bracing

Temporary supports or bracing required to erect the building is the responsibility of the erector to determine, furnish, install and remove.

Permits

It is the responsibility of the Building Owner/ Contractor/ Erector to obtain all appropriate approvals and necessary permits from City, County, State, or other agencies as required.

Structural Lines

Structural lines are referenced often throughout our drawing details. These relate to the chalk lines that are to be laid out on the foundation. The lines should always be laid out taking into consideration the inherent imperfections commonly associated with foundations. The edge of a foundation is seldom straight enough to use as a base for dimensioning. It is recommended to begin your layout at 10'-1" from the sidewall edge (refer to "Locating The First Line" in the Trachte Erection Manual). All other lines should be placed accurately from the first line.

By Others

The design, detailing, and materials for items designated as "By Others" are not the responsibility of Trachte Building Systems, Inc.

Field Cutting and Drilling

Field cutting and drilling of some parts will be required.

NOTICE:

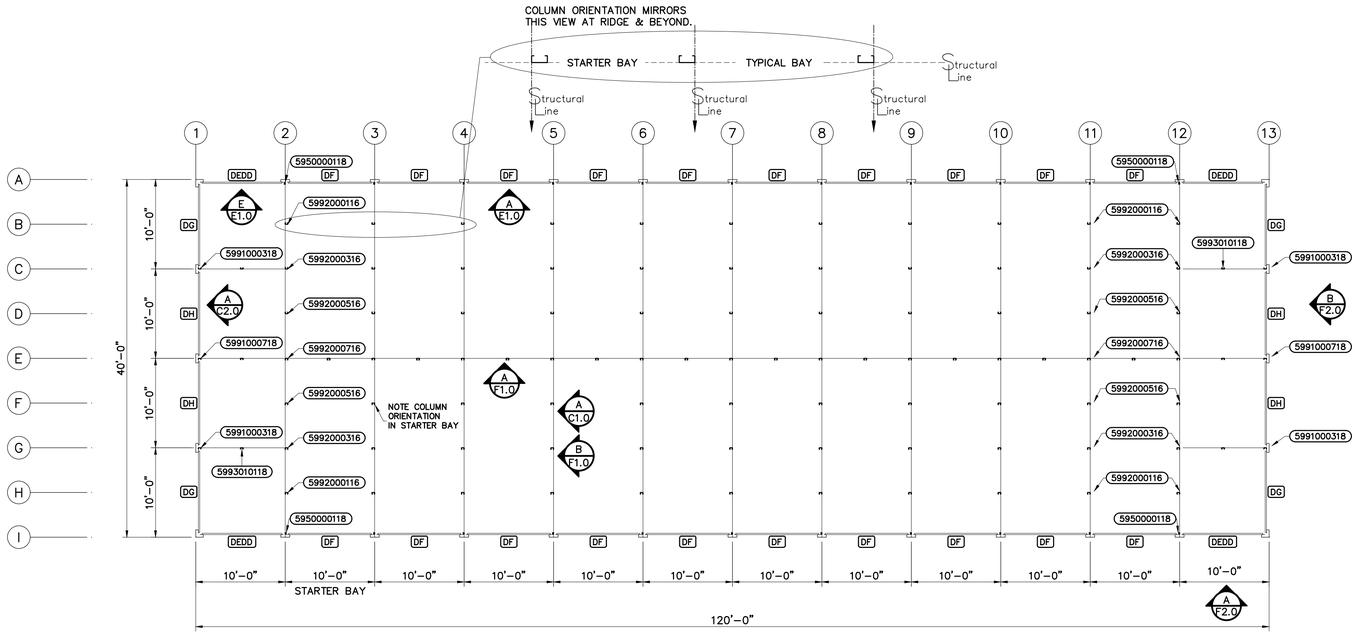
THE SPECIFIC PROJECT INFORMATION PROVIDED TO TRACHTE BUILDING SYSTEMS, INC. WAS USED IN THE DEVELOPMENT OF THE ENGINEERING DRAWINGS, DETAILS, MATERIALS LIST AND PRICING. ANY DISCREPANCIES BETWEEN THIS INFORMATION AND THE ACTUAL JOB CONDITIONS WILL AFFECT THE ACCURACY OF THIS WORK. TRACHTE IS NOT RESPONSIBLE FOR ANY ADDITIONAL MATERIALS OR ANY LAYOUT PROBLEMS CAUSED BY INACCURATE SITE INFORMATION.

PLEASE RECHECK THIS INFORMATION CAREFULLY!

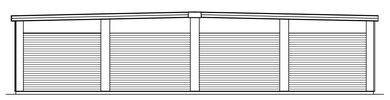
Job Description
DAN TOSELLO
ALPHA STORAGE INC.
LOT 26, CONCESSION 7
MULMUR, ON

Sheet Title
COVER PAGE

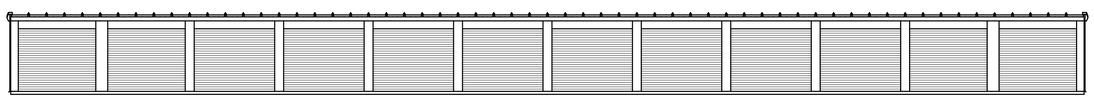
Date 1/20/2022
Drawn by FS
Scale N.T.S.
Plan No. 55759
Order No. x
Sheet No. Cover



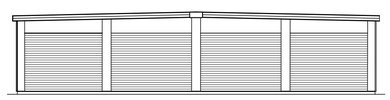
FLOOR PLAN FOR 8'-4" EAVE, 1/4:12 PITCH, MINI STORAGE BUILDING "A" 1/8" = 1'-0"



END WALL ELEVATION



SIDE WALL ELEVATION 1/8"=1'-0"



END WALL ELEVATION

DOOR SCHEDULE							
QTY	CODE	TYPE	SIZE	ROUGH OPENING (REF.)	MANUF.	DESCRIPTION	COLOR
4	DEDD	ROLL-UP	8'-8" x 7'-0"	8'-8" x 7'-0"	TRAC-RITE/eq.	NON-OPERATIONAL DOOR	COLORED ..
20	DF	ROLL-UP	9'-0" x 7'-0"	9'-0" x 7'-0"	TRAC-RITE/eq.	ROLL-UP DOOR	COLORED ..
4	DG	ROLL-UP	8'-8" x 6'-6"	8'-8" x 6'-6"	TRAC-RITE/eq.	ROLL-UP DOOR	COLORED ..
4	DH	ROLL-UP	9'-0" x 6'-6"	9'-0" x 6'-6"	TRAC-RITE/eq.	ROLL-UP DOOR	COLORED ..

ROLL-UP DOORS MEET ASTM E330

DO NOT ORDER DOORS BY OTHERS PRIOR TO RECEIVING THE ERECTION SET.
RO AND DOOR SIZES MAY VARY DUE TO ENGINEERING ISSUES.

REVISION	By Date

LICENSED PROFESSIONAL ENGINEER
01/21/22
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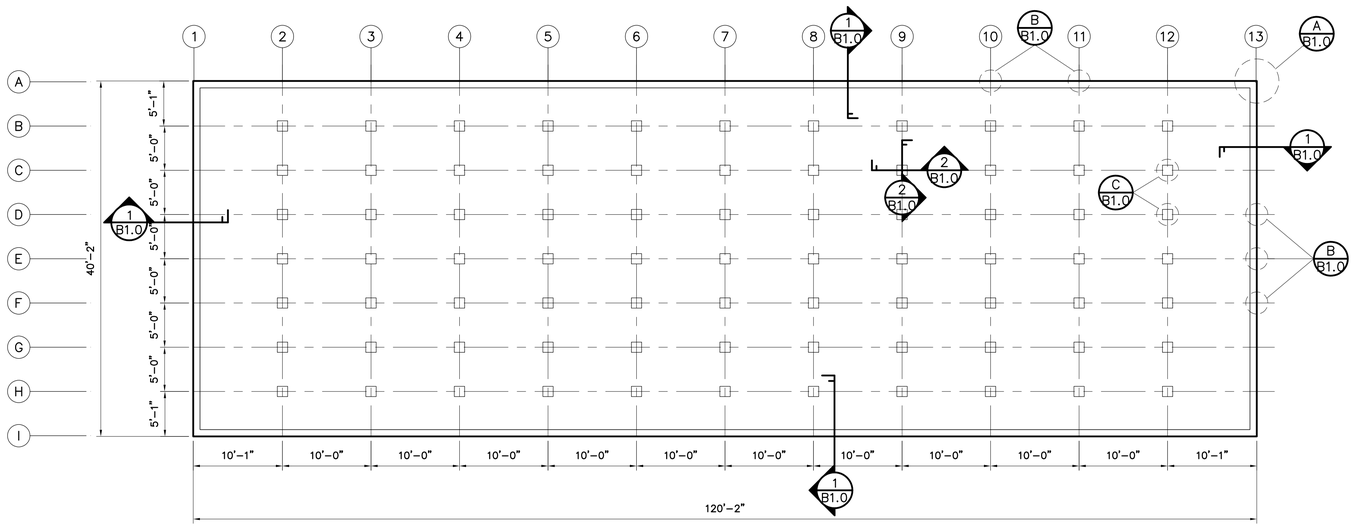
Job Description
DAN TOSELLO
ALPHA STORAGE INC.
LOT 26, CONCESSION 7
MULMUR, ON

Sheet Title
FLOOR PLAN & ELEVATIONS

Date 1/20/2022
Drawn by FS
Scale 1/8" = 1'-0"
Plan No. 55759
Order No. x
Sheet No. A1.0



FOUNDATION PLAN for MINI STORAGE BUILDING "A"

METRIC REBAR EQUIVALENT	
US STANDARD BAR	METRIC BAR
#3	10M
#4	15M
#5	15M
#6	20M
#7	25M
#8	25M
#9	30M

GENERAL FOUNDATION NOTES

FOUNDATION SPECIFICATIONS

1. FLOOR SLAB SHALL BE (SEE LEGEND) THICK WITH 6 X 6 – W1.4 X W1.4 WELDED WIRE FABRIC.

2. CONCRETE SHALL BE OF A MIXTURE AND DENSITY TO YIELD 25 MPA COMPRESSIVE STRENGTH AT 28 DAYS. MIX SHALL HAVE 6% AIR ENTRAINMENT WITH A 4" SLUMP.

3. REINFORCING STEEL SHALL CONFORM TO ASTM A–615, GRADE 60 FOR #4 AND LARGER BARS, AND GRADE 40 FOR #3 BARS AND ALL DOWELS AND TIES. STEEL SHALL BE KEPT CLEAN AND FREE OF RUST. LAP ALL REINFORCING A MINIMUM OF 28" AT SPLICES AND AROUND CORNERS.

4. WELDED WIRE FABRIC SHALL CONFORM WITH ASTM A–185, AND SHALL BE LAPPED 8 INCHES MINIMUM AT ALL SIDE AND END LAPS. NOTE: WELDED WIRE FABRIC IS USED IN THE STRUCTURAL DESIGN OF THE FLOOR SLAB. THEREFORE, FIBER REINFORCING CANNOT BE USED AS AN ALTERNATE.

5. VAPOR BARRIER SHALL BE A MINIMUM OF 6 MIL POLYETHYLENE WITH JOINTS LAPPED NOT LESS THAN 6 INCHES.

6. STRUCTURAL ANCHORS SHALL BE CONCRETE SCREWS TO BE PROVIDED BY TRACHTE BUILDING SYSTEMS. INSTALLATION INSTRUCTIONS ARE SPECIFIED IN NOTE 01 ON THE ERECTION DETAIL PAGES.

7. NON–STRUCTURAL ANCHORS SHALL BE EITHER POWDER ACTUATED ANCHORS OR TAPCON SCREW ANCHORS. THESE ANCHORS ARE NOT SUPPLIED BY TRACHTE BUILDING SYSTEMS. INSTRUCTIONS FOR LOCATING NON–STRUCTURAL ANCHORS ARE SPECIFIED IN NOTE 02 ON THE ERECTION DETAIL PAGES. NON–STRUCTURAL ANCHORS SHALL BE INSTALLED PER MANUFACTURERS SPECIFICATIONS.

8. FREE DRAINING GRANULAR FILL SHALL BE A NON FROST SUSCEPTIBLE FILL MATERIAL CONSISTING OF COURSE SAND, CRUSHED ROCK, OR AN APPROVED EQUIVALENT.

FOUNDATION DESIGN NOTES:

1. FOUNDATION PLAN SHOWN IS DESIGNED FOR A PRESUMED 1,500 PSF ALLOWABLE BEARING PRESSURE.

2. PLEASE NOTIFY ENGINEER OF ANY UNUSUAL CONDITIONS.

GENERAL FOUNDATION NOTES:

1. NOTCH SHALL BE LEVEL WITH NO PITCH.
2. FOUNDATION MUST BE SQUARE AND LEVEL.
3. PROVIDE CONTROL JOINTS AT 15'–0" ON CENTER MAXIMUM SPACING. ALL CONTROL JOINTS SHOULD BE LOCATED AT LEAST 1 FOOT OFF OF THE TRACHTE BUILDING SYSTEMS COLUMN GRID SHOWN ON THE FOUNDATION PLAN.

NOTE

TRACHTE BUILDING SYSTEMS, INC. IS ONLY RESPONSIBLE FOR THE DESIGN OF THE FOUNDATION TO ACCEPT OUR BUILDINGS. THE DESIGN IS BASED ON THE PARAMETERS SPECIFIED IN THE NOTES, AND THE LOADS IMPOSED BY OUR BUILDING SYSTEM. IT IS THE OWNERS RESPONSIBILITY TO NOTIFY TRACHTE'S ENGINEERING DEPARTMENT OF ANY UNUSUAL SITE CONDITIONS OR OF ANY MATERIALS NOT SUPPLIED BY TRACHTE, THAT WILL IMPOSE LOADS ON THE FOUNDATION SYSTEM.

ACTUAL CONSTRUCTION OF THE FOUNDATION, INCLUDING LABOR AND MATERIALS FOR PLACING OF REINFORCING STEEL AND CONCRETE IS BY OTHERS AND THEREFORE, NOT THE RESPONSIBILITY OF TRACHTE BUILDING SYSTEMS.

FOUNDATION LEGEND

- PAVING OR FINISHED GRADE
- FREE DRAINING INORGANIC GRANULAR FILL
- EARTH

SLAB THICKNESS
4"

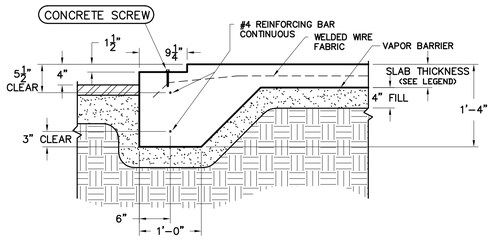
CONCRETE SCREW (INTERIOR)
3/8" x 2 1/2"

CONCRETE SCREW (EXTERIOR)
3/8" x 2 1/2"

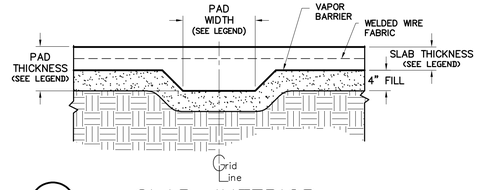
PAD SPECS

PAD THICKNESS
6.5"

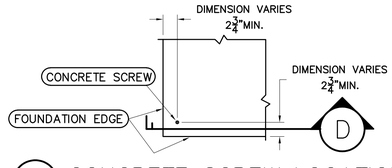
PAD WIDTH
1'–5"



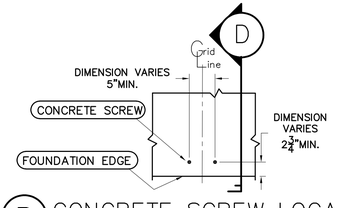
1 FLOATING SLAB DETAIL, NOTCHED



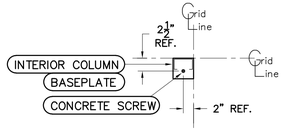
2 SLAB, INTERIOR PAD SECTION



A CONCRETE SCREW LOCATION, CORNER

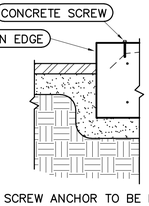


B CONCRETE SCREW LOCATION, EXTERIOR



SEE FLOOR PLAN TO LOCATE & ORIENTATE BASEPLATE & INTERIOR COLUMNS

C CONCRETE SCREW LOCATION, INTERIOR BASEPLATE



CONCRETE SCREW ANCHOR TO BE ERECTOR INSTALLED IN LIEU OF CAST–IN–PLACE ANCHOR SCREWS. MINIMUM EMBEDMENT DEPTH = (CONCRETE SCREW LENGTH) + ½".

D CONCRETE SCREW, SECTION, FOUNDATION EDGE

REVISION	By Date

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Job Description
DAN TOSELLO
ALPHA STORAGE INC.
LOT 26, CONCESSION 7
MULMUR, ON

Sheet Title
FOUNDATION PLAN & DETAILS

Date 1/20/2022
Drawn by FS
Scale 1/8" = 1'–0"
Plan No. 55759
Order No. x
Sheet No. B1.0

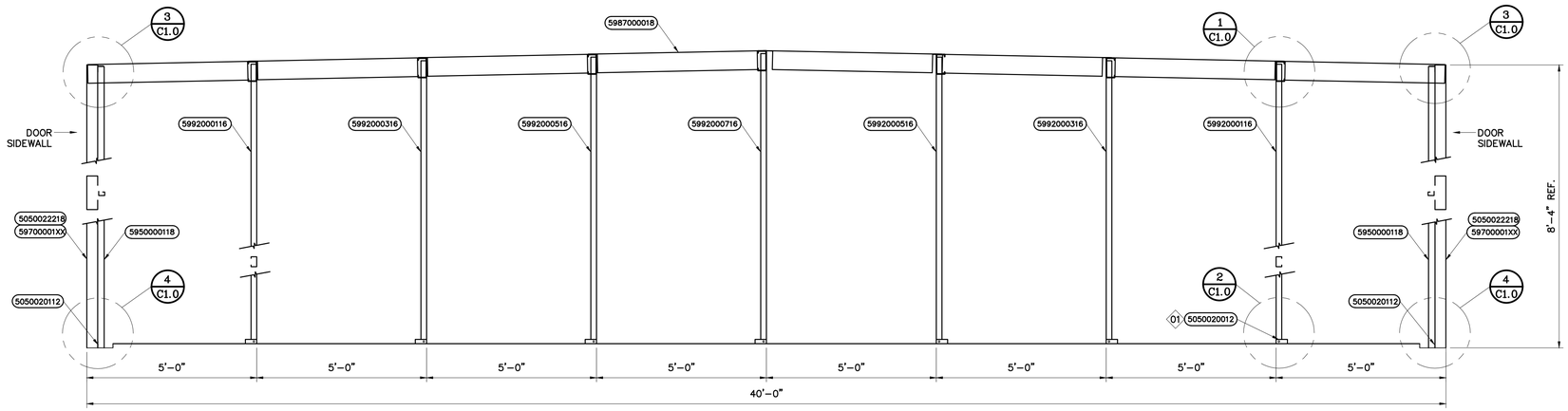
PART # INDEX	
PART #	DESCRIPTION
5050020012	12ga. interior base plate
5050020112	12ga. DBL. jamb, base plate
5050022218	18ga. DBL. jamb clip
5950000118	18ga. PT. support jamb
59700001XX	18ga. DBL. jamb, 8'-4", COLORED
5987000018	18ga. PT. rake angle, 5' long
5992000116	16ga. interior column, 3.63" x 2", 5'/EV
5992000316	16ga. interior column, 3.63" x 2", 10'/EV
5992000516	16ga. interior column, 3.63" x 2", 15'/EV
5992000716	16ga. interior column, 3.63" x 2", 20'/EV

01 **INSTALLATION PROCEDURES FOR CONCRETE SCREW ANCHORS**
STEP 1.
USING THE SAME DIAMETER DRILL BIT, DRILL A HOLE INTO THE BASE MATERIAL TO THE REQUIRED DEPTH. THE TOLERANCES OF THE DRILL BIT USED SHOULD MEET THE REQUIREMENTS OF ANSI STANDARD B212.15.
STEP 2.
REMOVE DUST AND DEBRIS FROM THE HOLE USING A HAND PUMP, COMPRESSED AIR, OR VACUUM.
STEP 3.
SELECT A TORQUE WRENCH OR POWERED IMPACT WRENCH AND DO NOT EXCEED THE MAXIMUM TORQUE, $T_{INSTALL}$ OR $T_{IMPACT\ MAX}$ RESPECTIVELY FOR THE SELECTED ANCHOR DIAMETER AND EMBEDMENT. ATTACH AN APPROPRIATE SIDED HEX SOCKET/DRIVER TO THE IMPACT WRENCH. MOUNT THE SCREW ANCHOR HEAD INTO THE SOCKET.
STEP 4.
DRIVE THE ANCHOR INTO THE HOLE UNTIL THE HEAD OF THE ANCHOR COMES INTO CONTACT WITH THE FIXTURE. THE ANCHOR MUST BE SNUG AFTER INSTALLATION. DO NOT SPIN THE HEX SOCKET OFF THE ANCHOR TO DISENGAGE.

02 **POWDER ACTUATED ANCHORS (BY OTHERS)**
POWDER ACTUATED ANCHORS ARE TO BE USED AT 24" CENTERS. POWDER ACTUATED ANCHORS ARE TO BE USED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS ONLY. TRACK BASE IS AN EXAMPLE OF PARTS THAT REQUIRE POWDER ACTUATED ANCHORS. NOTE SOME PARTS REQUIRE BOTH POWDER ACTUATED & CONCRETE SCREW ANCHORING AS SPECIFIED.

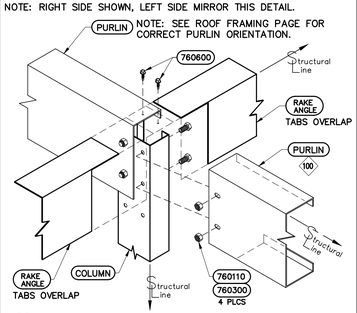
100 **7", 9", 11" & 12" PURLINS:**
7" (AS SHOWN) and 9" PURLINS HAVE TWO-BOLT CONNECTIONS ON EACH END.
11" AND 12" PURLINS REQUIRE THREE-BOLT CONNECTIONS ON EACH END.

52 **BASE PLATE REFERENCE HOLES**
HOLES AT THE CENTER OF THE BASE PLATES ARE USED AS A AID TO LOCATE BASEPLATES ON THE STRUCTURAL LINES (CHALK LINES).



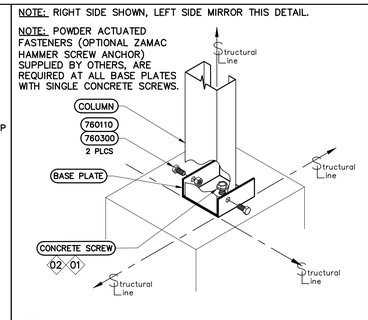
A INTERIOR WALL FRAMING ELEVATION, 1/4" PITCH
PARTITION PANEL NOT SHOWN, SEE PARTITION DETAILS

NOTE: RIGHT SIDE SHOWN, LEFT SIDE MIRROR THIS DETAIL.



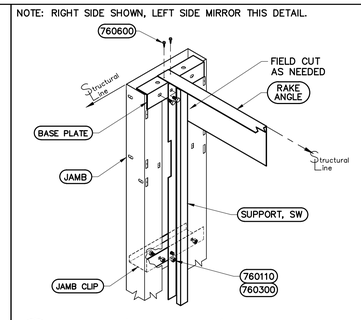
1 INTERIOR COLUMN, PURLIN, RAKE ANGLE CONNECTION

NOTE: RIGHT SIDE SHOWN, LEFT SIDE MIRROR THIS DETAIL.



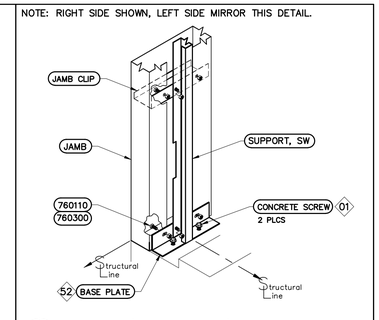
2 INTERIOR COLUMN/BASE PLATE CONNECTION

NOTE: RIGHT SIDE SHOWN, LEFT SIDE MIRROR THIS DETAIL.



3 JAMB/SUPPORT/RAKE ANGLE CONNECTION

NOTE: RIGHT SIDE SHOWN, LEFT SIDE MIRROR THIS DETAIL.



4 JAMB/SUPPORT/BASE PLATE CONNECTION

REVISION	By Date
-	-

LICENSED PROFESSIONAL ENGINEER
01/21/22
W. M. HOGAN
20024014
PROVINCE OF ONTARIO

TBS

Job Description
DAN TOSELLO
ALPHA STORAGE INC.
LOT 26, CONCESSION 7
MULMUR, ON

Sheet Title
INTERIOR WALL FRAMING DETAILS

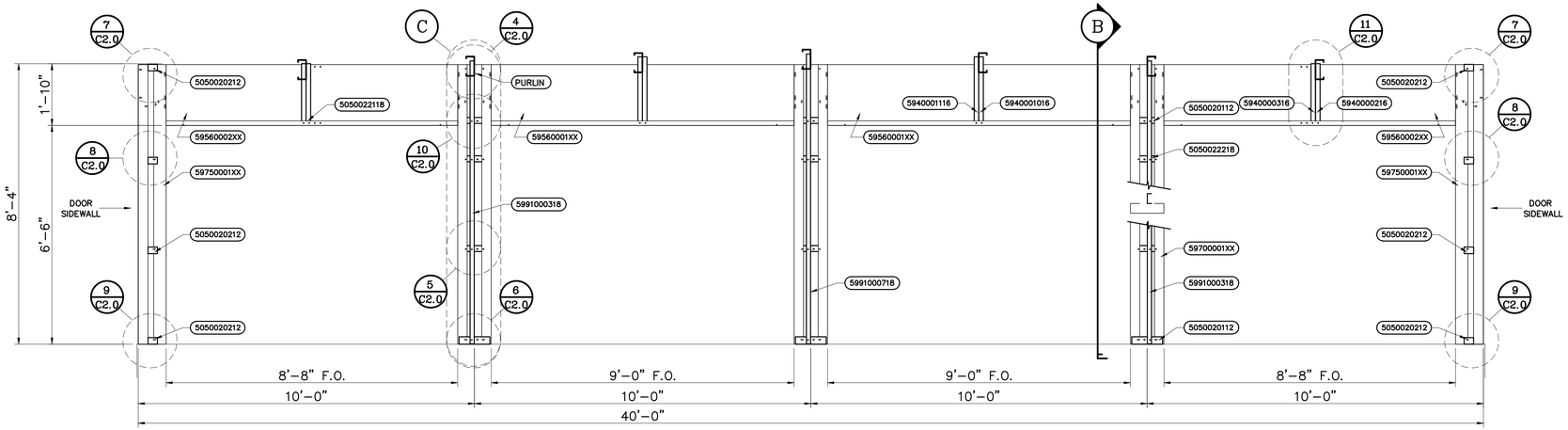
Date 1/20/2022
Drawn by FS
Scale 1/2" = 1'-0"
Plan No. 55759
Order No. x
Sheet No. C1.0

PART # INDEX	
PART #	DESCRIPTION
5050020112	12ga. DBL. jamb, base plate
5050020212	12ga. CNR. jamb, base plate
5050022118	18ga. base plate, header bracket
5050022218	18ga. DBL. jamb clip
5940000216	16ga. LH hdr column, 3.63" x 2", 5-0/EV
5940000316	16ga. RH hdr column, 3.63" x 2", 5-0/EV
5940001016	16ga. LH hdr column, 3.63" x 2", 15-0/EV
5940001116	16ga. RH hdr column, 3.63" x 2", 15-0/EV
59560001XX	18ga. EW header, 9'-0", COLORED
59560002XX	18ga. EW header, 8'-8", COLORED
59700001XX	18ga. DBL. jamb, 8'-4", COLORED
59750001XX	18ga. CNR jamb, false, 8'-4", COLORED
5991000318	18ga. EW column, 3.63" x 1.5", 10'-0 /EV
5991000718	18ga. EW column, 3.63" x 1.5", 20'-0"/EV

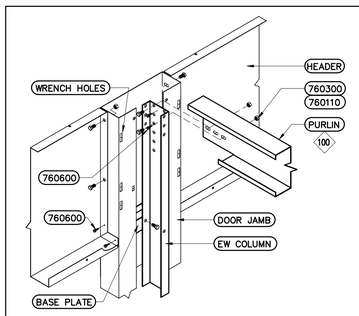
01 INSTALLATION PROCEDURES FOR CONCRETE SCREW ANCHORS
STEP 1.
USING THE SAME DIAMETER DRILL BIT, DRILL A HOLE INTO THE BASE MATERIAL TO THE REQUIRED DEPTH. THE TOLERANCES OF THE DRILL BIT USED SHOULD MEET THE REQUIREMENTS OF ANSI STANDARD B212.15.
STEP 2.
REMOVE DUST AND DEBRIS FROM THE HOLE USING A HAND PUMP, COMPRESSED AIR, OR VACUUM.
STEP 3.
SELECT A TORQUE WRENCH OR POWERED IMPACT WRENCH AND DO NOT EXCEED THE MAXIMUM TORQUE, $T_{INSTALL}$ OR $T_{IMPACT,MAX}$ RESPECTIVELY FOR THE SELECTED ANCHOR DIAMETER AND EMBEDMENT. ATTACH AN APPROPRIATE SIDED HEX SOCKET/DRIVER TO THE IMPACT WRENCH. MOUNT THE SCREW ANCHOR HEAD INTO THE SOCKET.
STEP 4.
DRIVE THE ANCHOR INTO THE HOLE UNTIL THE HEAD OF THE ANCHOR COMES INTO CONTACT WITH THE FIXTURE. THE ANCHOR MUST BE SNUG AFTER INSTALLATION. DO NOT SPIN THE HEX SOCKET OFF THE ANCHOR TO DISENGAGE.

100 7", 9", 11" & 12" PURLINS:
7" (AS SHOWN) and 9" PURLINS HAVE TWO-BOLT CONNECTIONS ON EACH END.
11" AND 12" PURLINS REQUIRE THREE-BOLT CONNECTIONS ON EACH END.

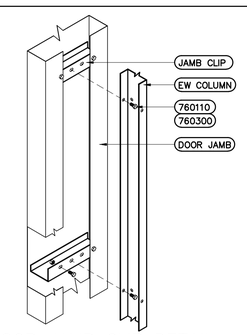
85 ENDWALL BASE PLATE LOCATION
END WALL JAMBS REQUIRE AN ADDITIONAL BASE PLATE NEAR THE TOP OF THE DOOR JAMB UNLESS IT IS A WINDLOCK DOOR. TEK SCREW DOOR BRACKET THROUGH DOOR JAMB AND BASE PLATE AS SHOWN. THE EXTRA BASE PLATE IS NEEDED TO STIFFEN UP THE DOOR JAMB. FIELD LOCATE THE BASE PLATE SO THAT AT LEAST ONE DOOR BRACKET CONNECTION GOES TROUGH THE BASE PLATE.



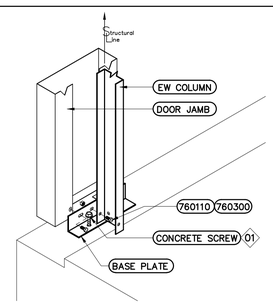
A 40' ENDWALL W/ 10-0 CLOSETS 1/4:12 PITCH (INTERIOR VIEW)



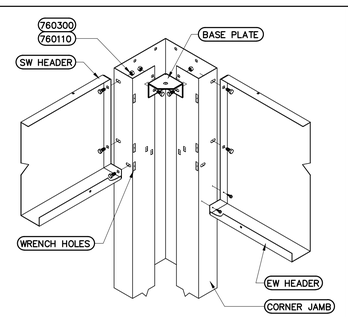
4 TOP OF DOOR JAMB CONNECTION DETAIL



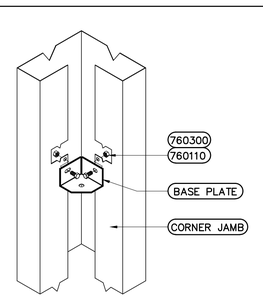
5 DOOR JAMB CLIP DETAIL



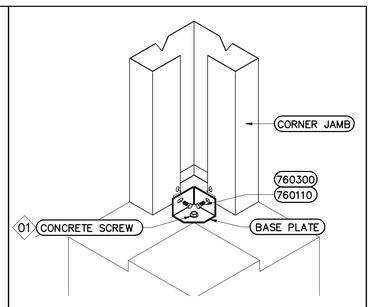
6 BOTTOM OF DOOR JAMB CONNECTION DETAIL



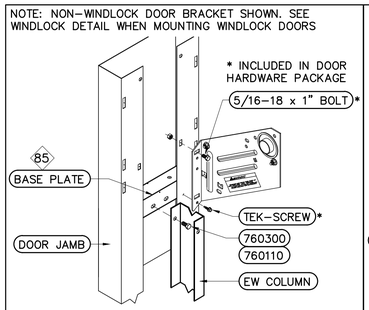
7 HEADER TO CORNER JAMB CONNECTION



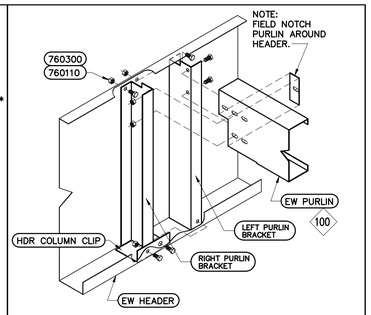
8 MIDDLE OF CORNER JAMB CONNECTION DETAIL



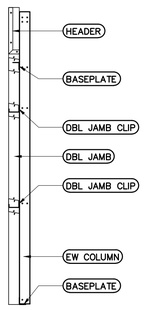
9 BOTTOM OF CORNER JAMB CONNECTION DETAIL



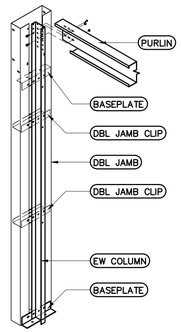
10 DOOR BRACKET AND DOOR JAMB CONNECTION DETAIL



11 PURLIN BRACKET CONNECTION DETAIL



B ENDWALL CLOSET SECTION



C DOOR JAMB SUB-ERECTION DETAIL

REVISION	By Date
	.

TRACHTE BUILDING SYSTEMS, Inc.

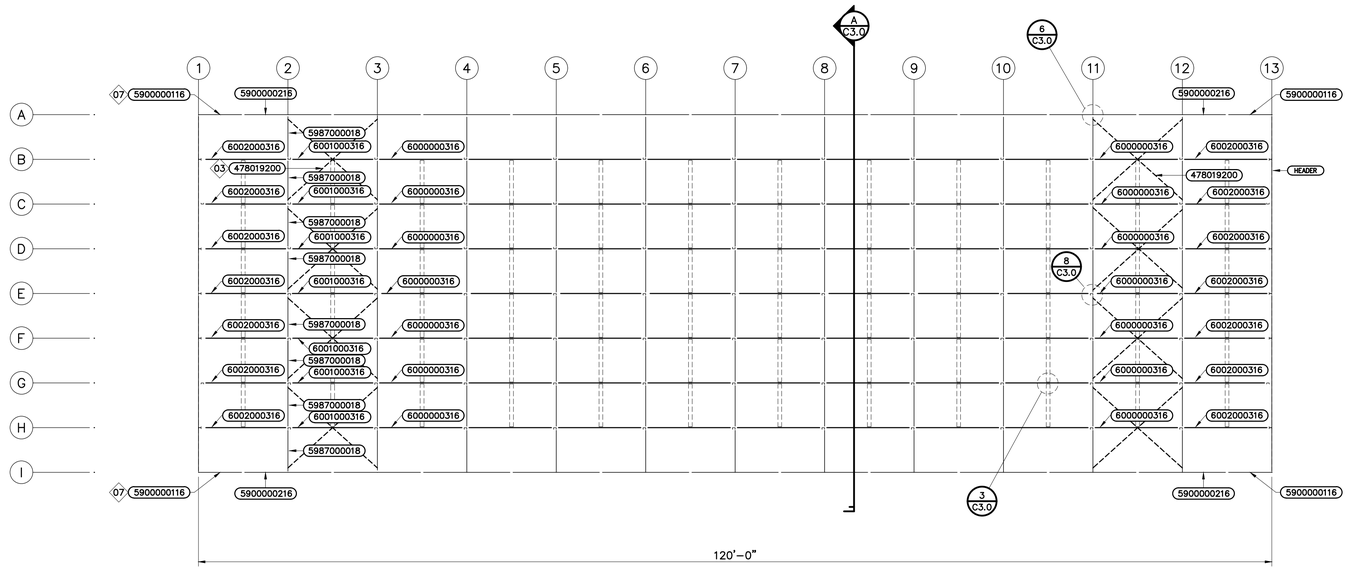
LICENSED PROFESSIONAL ENGINEER
01/21/22
W. M. HOGAN
20024014
PROVINCE OF ONTARIO

Job Description
DAN TOSELLO
ALPHA STORAGE INC.
LOT 26, CONCESSION 7
MULMUR, ON

Sheet Title
END WALL ELEVATIONS

Date 1/20/2022
Drawn by FS
Scale 1/2" = 1'-0"
Plan No. 55759
Order No. x
Sheet No. C2.0

PART # INDEX	
PART #	DESCRIPTION
478019200	16ga. strap bracing 16'–0" long
5050022016	16ga. bridging purlin clip
5900000116	16ga. SW span channel 5'–0" long
5900000216	16ga. SW span channel 10'–0" long
5979000118	18ga. purlin bridging, 4'–9 1/4" long
5987000018	18ga. PT. rake angle, 5' long
6000000316	16ga. typical purlin, 7" x 3" x 10'–0"
6001000316	16ga. starter purlin, 7" x 3" x 9'–8"
6002000316	16ga. endwall purlin, 7" x 3" x 10'–1.5"



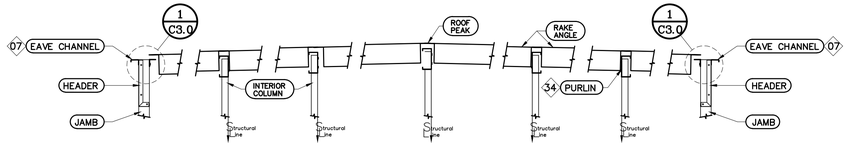
ROOF FRAMING PLAN FOR MINI STORAGE BUILDING "A" 1/8" = 1'–0"

03 STRAP CROSS BRACING
FASTEN STRAP WITH (4) #12 X ¾" SELF DRILLING SCREWS, P/N 760600, AT EACH END. NOTE THE STRAPS MUST BE INSTALLED AFTER WALLS OR ROOF SECTIONS ARE SQUARED & PLUMBED. ALL STRAPS ARE TO BE INSTALLED SO THEY ARE STRAIGHT & TIGHT (UNDER TENSION). REFER TO ROOF PLAN OR FLOOR PLAN FOR EXACT LOCATION AND PLACEMENT OF ALL BRACING.

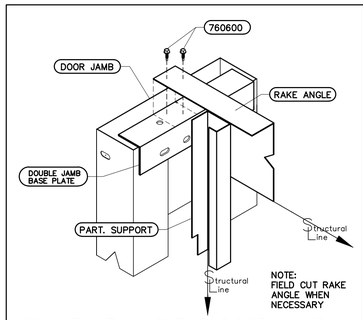
07 EAVE SPAN CHANNEL
WHEN INSTALLING THE EAVE SPAN CHANNELS START WITH A 5' CHANNEL FOLLOWED WITH 10' AND END WITH A 5' EAVE SPAN CHANNEL. CHANNELS WILL OVERLAP AT EACH END. SPAN CHANNELS SHOULD START AND END AT THE MIDPOINT OF A BAY WHENEVER POSSIBLE. SEE ROOF FRAMING PLAN TO DETERMINE WHICH P/N'S TO START & END WITH. INSTALL BOLTS TO SPAN CHANNELS THROUGH TOP TRACKS OR HEADERS @ 2'–0" OC. FIELD CUT EXCESS AT END OF RUN.

34 PURLIN ORIENTATION
THE PURLINS ARE ORIENTATED AS SHOWN. THE WEBS OF THE PURLIN AND INTERIOR COLUMN WILL FALL ON THE STRUCTURAL LINE. THE OPEN CAVITY OF THE PURLIN AND INTERIOR COLUMN SHOULD FACE THE EAVE OF THE BUILDING

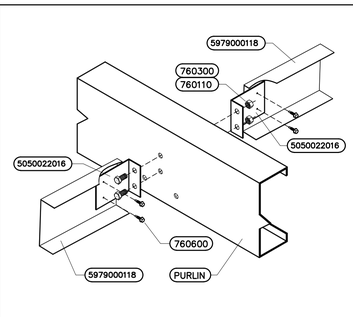
42 HAT CHANNEL & RAFTER DETAILS
THE HAT CHANNEL AND RAFTER SYSTEM IS A STANDARD IN ANY ODD WIDTH 1/4:12 BUILDING WHERE THE CORRIDOR RUNS DOWN THE CENTER OF THE BUILDING. SEE THE ENDWALL AND INTERIOR WALL PAGES RELATED TO THIS BUILDING FOR THE CONNECTION DETAILS.



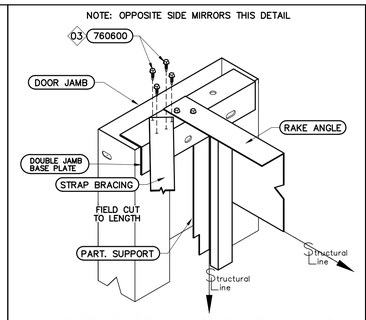
A TYPICAL ROOF FRAMING CROSS SECTION
RAKE ANGLES ARE NOT REQUIRED AT CORRIDOR AREAS



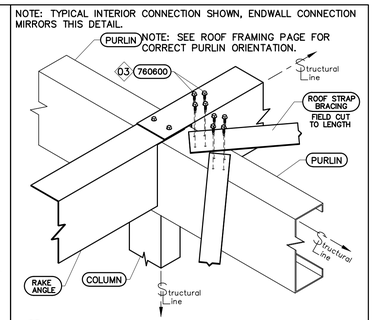
1 RAKE ANGLE @ DOOR JAMB CONNECTION DETAIL



3 PURLIN BRIDGING CONNECTION DETAIL



6 STRAP BRACING @ DBL JAMB CONNECTION DETAIL



8 STRAP BRACING @ PURLIN CONNECTION

REVISION	By Date

LICENSED PROFESSIONAL ENGINEER
01/21/22
W. M. HOGAN
20024014
PROVINCE OF ONTARIO

Job Description: DAN TOSELLO
ALPHA STORAGE INC.
LOT 26, CONCESSION 7
MULMUR, ON

Sheet Title: ROOF FRAMING PLAN

Date: 1/20/2022
Drawn by: FS
Scale: 1/8" = 1'–0"
Plan No.: 55759
Order No.: x
Sheet No.: C3.0

PART # INDEX	
PART #	DESCRIPTION
5050020112	12ga. DBL. jamb, base plate
5050020212	12ga. CNR. jamb, base plate
5050022218	18ga. DBL. jamb clip
5050026___	zee closure, 1" x 1" x 1"
521221	foam closure, 3'–7.5"
5950000118	18ga. PT. support jamb
59550001XX	18ga. SW / EW header, 9'–0", COLORED
59550002XX	18ga. SW / EW header, 8'–8", COLORED
59700001XX	18ga. DBL. jamb, 8'–4", COLORED
59750001XX	18ga. CNR jamb, false, 8'–4", COLORED
760600	#12 x 3/4" HWHSD screw

01 INSTALLATION PROCEDURES FOR CONCRETE SCREW ANCHORS

STEP 1.
USING THE SAME DIAMETER DRILL BIT, DRILL A HOLE INTO THE BASE MATERIAL TO THE REQUIRED DEPTH. THE TOLERANCES OF THE DRILL BIT USED SHOULD MEET THE REQUIREMENTS OF ANSI STANDARD B212.15.
STEP 2.
REMOVE DUST AND DEBRIS FROM THE HOLE USING A HAND PUMP, COMPRESSED AIR, OR VACUUM.
STEP 3.
SELECT A TORQUE WRENCH OR POWERED IMPACT WRENCH AND DO NOT EXCEED THE MAXIMUM TORQUE, $T_{INSTALL,MAX}$ OR $T_{IMPACT,MAX}$ RESPECTIVELY FOR THE SELECTED ANCHOR DIAMETER AND EMBEDMENT. ATTACH AN APPROPRIATE SIDED HEX SOCKET/DRIVER TO THE IMPACT WRENCH. MOUNT THE SCREW ANCHOR HEAD INTO THE SOCKET.
STEP 4.
DRIVE THE ANCHOR INTO THE HOLE UNTIL THE HEAD OF THE ANCHOR COMES INTO CONTACT WITH THE FIXTURE. THE ANCHOR MUST BE SNUG AFTER INSTALLATION. DO NOT SPIN THE HEX SOCKET OFF THE ANCHOR TO DISENGAGE.

06 STARTER BAY

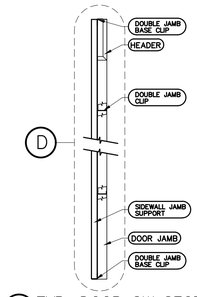
A STARTER BAY IS A BAY WHERE 2 ROWS OF COLUMNS FALL IN–BETWEEN THE 10' STRUCTURAL LINES OF THE FLOOR PLAN LAYOUT. TYPICAL 10' BAYS WILL ONLY HAVE ONE ROW OF COLUMNS WITHIN THE 10' STRUCTURAL LINES. THERE IS ALWAYS AT LEAST ONE 10' STARTER BAY. THERE MAY BE MORE THAN ONE IF YOUR BUILDING HAS CORRIDORS. THESE AREAS WILL BE MARKED AS A "STARTER BAY" ON THE FLOOR PLAN AND SIDE WALL PAGES. IT IS CRITICAL THAT THE STARTER BAY BE ERECTED CORRECTLY.

07 EAVE SPAN CHANNEL

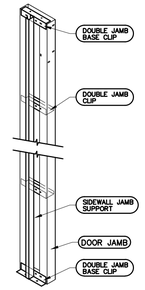
WHEN INSTALLING THE EAVE SPAN CHANNELS START WITH A 5' CHANNEL FOLLOWED WITH 10' AND END WITH A 5' EAVE SPAN CHANNEL. CHANNELS WILL OVERLAP AT EACH END. SPAN CHANNELS SHOULD START AND END AT THE MIDPOINT OF A BAY WHENEVER POSSIBLE. SEE ROOF FRAMING PLAN TO DETERMINE WHICH P/N'S TO START & END WITH. INSTALL BOLTS TO SPAN CHANNELS THROUGH TOP TRACKS OR HEADERS @ 2'–0" OC. FIELD CUT EXCESS AT END OF RUN.

20 PARTITION SUPPORT AT DOOR SIDEWALL

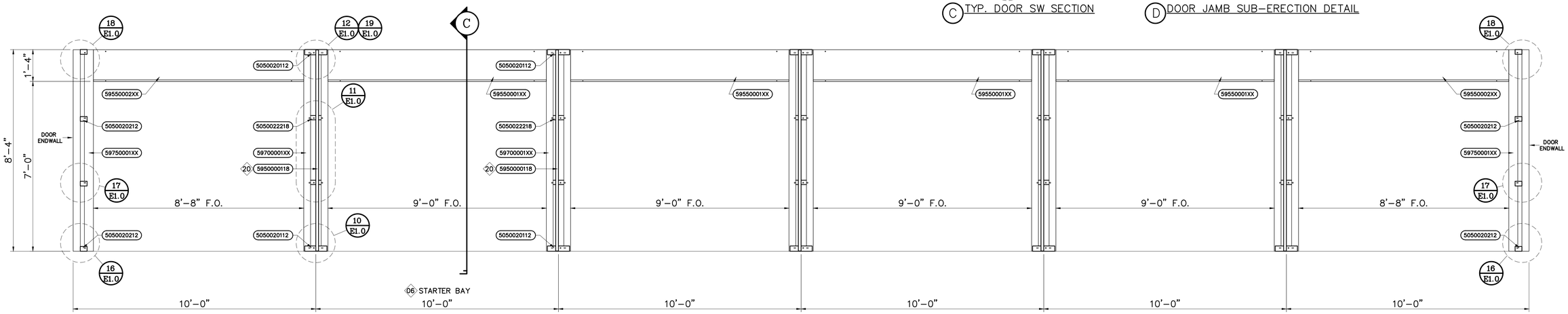
DOOR SIDEWALL PARTITION SUPPORT IS NEEDED AT EVERY DOUBLE JAMB ALONG THE SIDEWALL. THE SIDE FLANGE OF THE SUPPORT WILL ALWAYS FALL ON THE STRUCTURAL LINE. THE SUPPORT WILL BE ON THE SAME SIDE OF THE STRUCTURAL LINE AS THE INTERIOR COLUMNS. SEE FLOOR PLAN FOR CORRECT ORIENTATION.



C TYP. DOOR SW SECTION

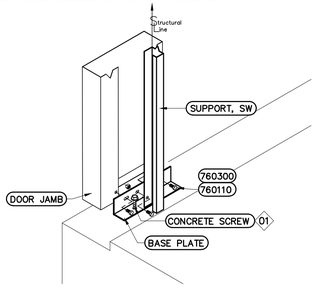


D DOOR JAMB SUB–ERECTION DETAIL



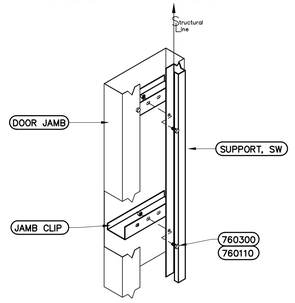
A SIDEWALL ELEVATION (INTERIOR VIEW)
(TYP. SIDEWALL ELEVATIONS SHOWN. LENGTH MAY VARY)

NOTE: ACTUAL ASSEMBLY MAY MIRROR THIS DETAIL



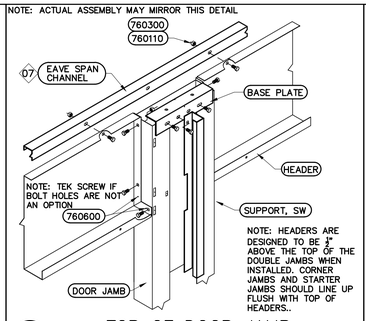
10 BOTTOM OF DOOR JAMB CONNECTION DETAIL

NOTE: ACTUAL ASSEMBLY MAY MIRROR THIS DETAIL

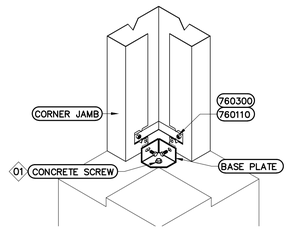


11 DOOR JAMB CLIP DETAIL

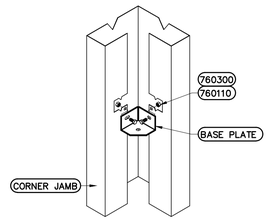
NOTE: ACTUAL ASSEMBLY MAY MIRROR THIS DETAIL



12 TOP OF DOOR JAMB CONNECTION DETAIL

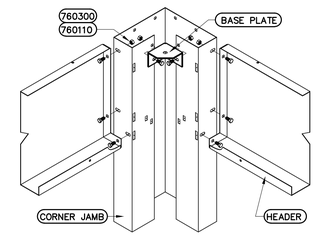


16 BOTTOM OF CORNER JAMB CONNECTION DETAIL



17 MIDDLE OF CORNER JAMB CONNECTION DETAIL

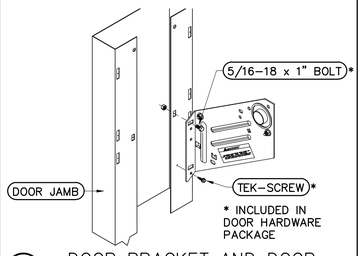
NOTE: TYP. 16" HEADERS SHOWN. WHEN 22" HEADERS ARE PRESENT MOUNT TO DOOR JAMB BY BOLTING THE TOP TWO HOLES AND TEK–SCREW THROUGH THE BOTTOM TWO PILOT HOLES.



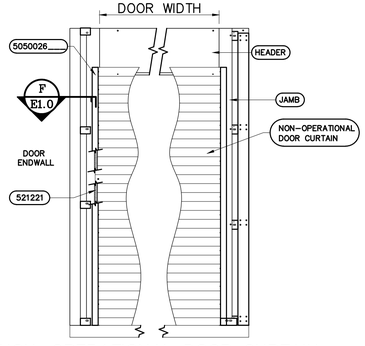
18 HEADER TO CORNER JAMB CONNECTION

NOTE: NON–WINDLOCK DOOR BRACKET SHOWN. SEE WINDLOCK DETAIL WHEN MOUNTING WINDLOCK DOORS

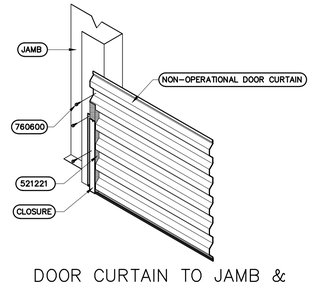
NOTE: TYPICAL DOOR JAMB SHOWN. ALL OTHER DOOR JAMBS ARE SIMILAR



19 DOOR BRACKET AND DOOR JAMB CONNECTION DETAIL



E NON–OPERATIONAL DOOR CURTAIN
INTERIOR VIEW
(INSTALLATION ON SIDE WALL OR END WALL IS TYPICAL)



F DOOR CURTAIN TO JAMB & CLOSURE TO JAMB CONNECTIONS

REVISION	By Date

LICENSED PROFESSIONAL ENGINEER
01/21/22
W. M. HOGAN
20024014
PROVINCE OF ONTARIO

TRACHTE BUILDING SYSTEMS, Inc.

Job Description
DAN TOSELLO
ALPHA STORAGE INC.
LOT 26, CONCESSION 7
MULMUR, ON

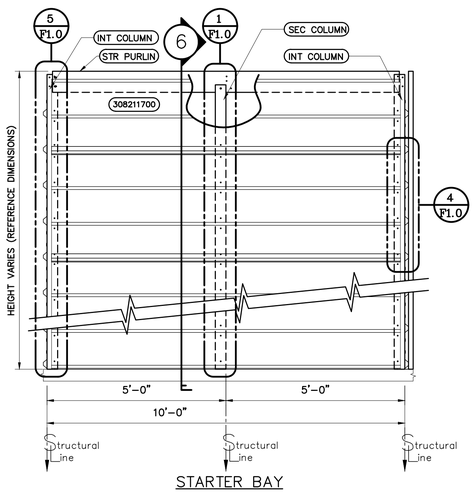
Sheet Title
SIDEWALL ELEVATIONS

Date 1/20/2022
Drawn by FS
Scale 1/2" = 1'–0"
Plan No. 55759
Order No. x
Sheet No. E1.0

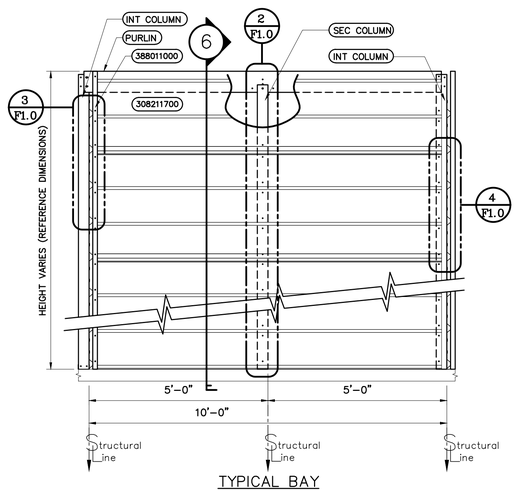
PART # INDEX	
PART #	DESCRIPTION
308211400	29ga. PT. panel, 9'–6" long
308211700	29ga. PT. panel, 9'–9" long
308223900	29ga. PT. panel, 19'–11" long
388011000	18ga. partition channel 9'–2" long

PART #	DESCRIPTION	WHERE USED
5950000218	support, bw/part.	@ BLANK ENDWALL
5950001218	support, bw/part. (field cut)	@ BLANK ENDWALL
5991000218	column, ew	@ DOOR ENDWALL

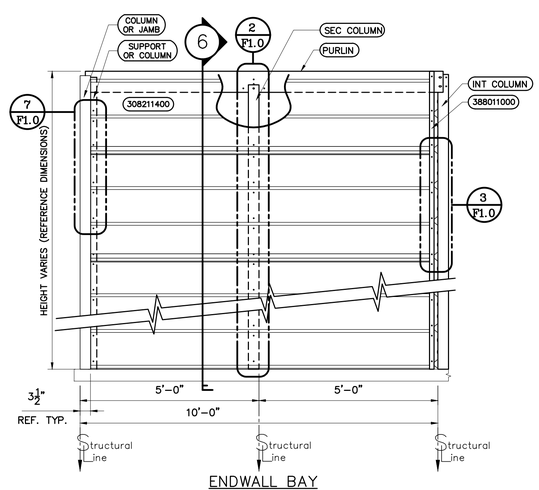
(NOTE: PART NUMBERS MAY VARY, SEE BILL OF MATERIAL)



STARTER BAY



TYPICAL BAY



ENDWALL BAY

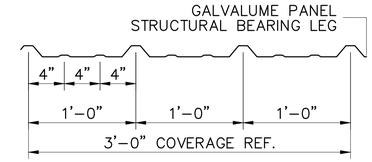
A 10' LONGITUDINAL PARTITION WALL

LONGITUDINAL PARTITION PANELS 8-4		
LOC.	HEIGHT	QTY
5' /EV	101.25"	3.0
10' /EV	102.5"	3.0
15' /EV	103.75"	3.0
20' /EV	105"	3.0
25' /EV	106.25"	3.0
30' /EV	107.5"	3.0
35' /EV	108.75"	3.0
40' /EV	110"	3.0

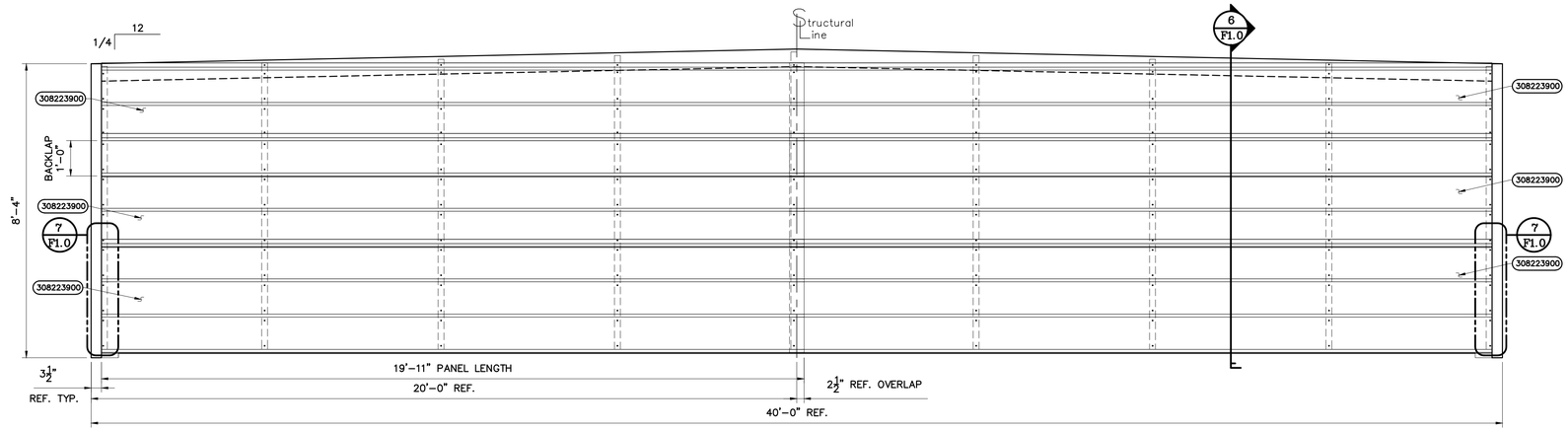
NOTE: SHOWN ABOVE IS THE REQUIRED SHEETS OF PARTITION PANEL FOR INSTALLATION (OVERLAPPING ONLY THE END RIB). YOU WILL COME UP SHORT PANEL IF YOU BACK LAP PANEL AT 1' SPACES.

PARTITION CHANNEL 8-4		
FT/EV	PART #	QTY
5' /EV	388011000	1.0
10' /EV	388011000	1.0
15' /EV	388011000	1.0
20' /EV	388011000	1.0
25' /EV	388011000	1.0
30' /EV	388011000	1.0
35' /EV	388011000	1.0
40' /EV	388011000	1.0

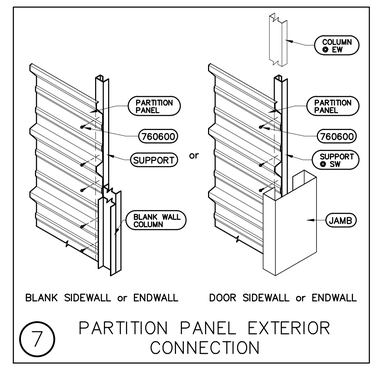
NOTE: ABOVE IS THE REQUIRED PARTITION CHANNEL PART # & AND QUANTITY AT EVERY FT / EV



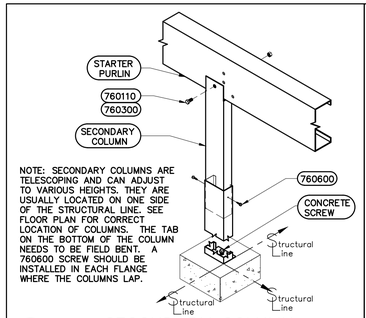
TRACHTE PARTITION PANEL PROFILE



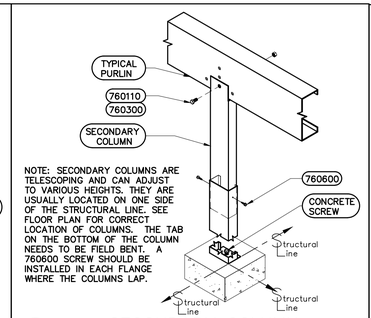
B TRANSVERSE PANEL LAYOUT 8'–4" EAVE, 40' WIDE GABLE



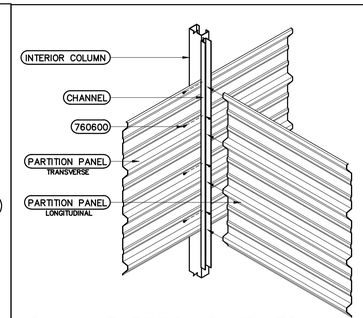
7 PARTITION PANEL EXTERIOR CONNECTION



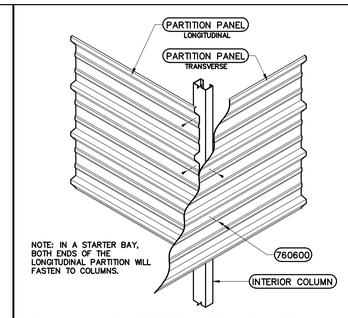
1 SECONDARY COLUMN CONNECTION @ STARTER BAY



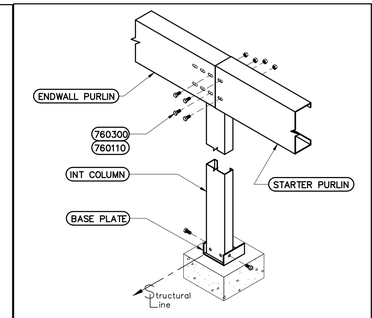
2 SECONDARY COLUMN CONNECTION @ TYPICAL BAY



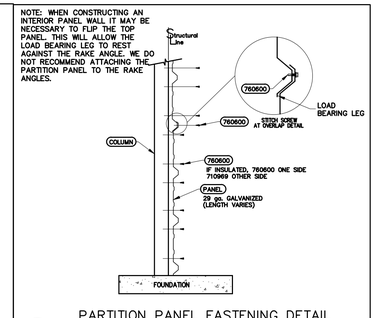
3 PARTITION PANEL TO CHANNEL @ TYPICAL BAY



4 PARTITION PANEL TO COLUMN CONNECTION



5 INTERIOR COLUMN CONNECTION @ STARTER BAY



6 PARTITION PANEL FASTENING DETAIL

ATTENTION: Partition wall panel lengths were determined with the panel starting at least 3½" in from the sidewall. All buildings 25' or more will have 2-panels that lap at a interior column line. The panels should overlap at least by 1".

REVISION	By Date

LICENSED PROFESSIONAL ENGINEER
01/21/22
W. M. HOGAN
20024014
PROVINCE OF ONTARIO

TRACHTE BUILDING SYSTEMS, Inc.

Job Description
DAN TOSELLO
ALPHA STORAGE INC.
LOT 26, CONCESSION 7
MULMUR, ON

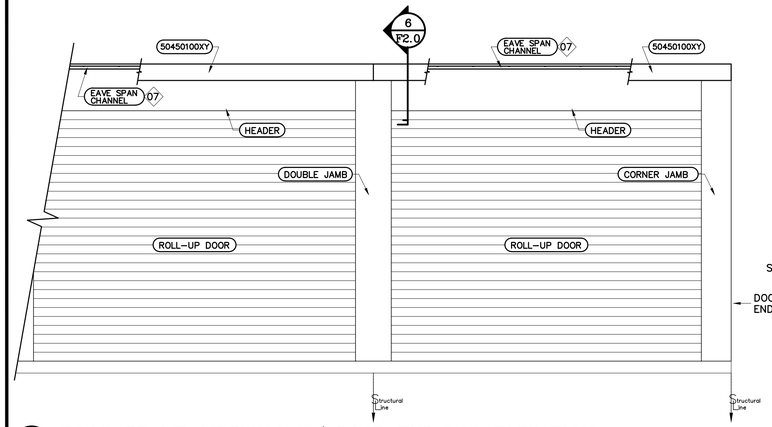
Sheet Title
INTERIOR PARTITION WALL DETAILS

Date 1/20/2022
Drawn by FS
Scale 1/2" = 1'–0"
Plan No. 55759
Order No. x
Sheet No. F1.0

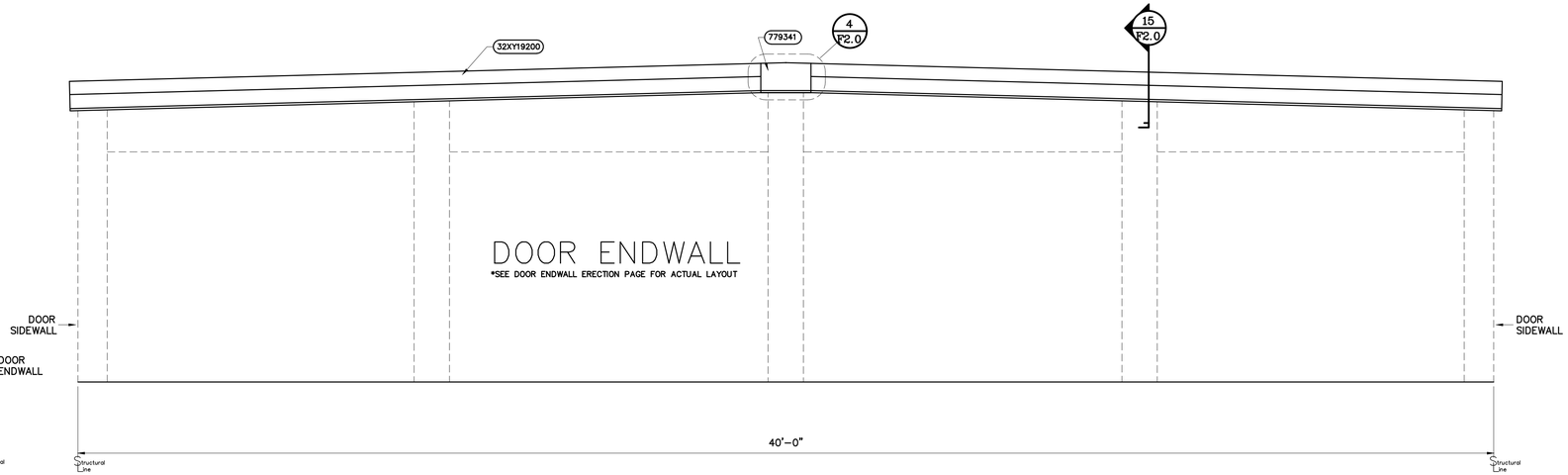
PART # INDEX	
PART #	DESCRIPTION
32XY19200	rake trim, ACCENT COLOR, 16'–0" long
50450100XY	26ga. eave trim (dsw), 10'–2", ACCENT COLOR
779341	peak box, 1/4:12 & 1/2:12 pitch

07 EAVE SPAN CHANNEL
WHEN INSTALLING THE EAVE SPAN CHANNELS START WITH A 5' CHANNEL FOLLOWED WITH 10' AND END WITH A 5' EAVE SPAN CHANNEL. CHANNELS WILL OVERLAP AT EACH END. SPAN CHANNELS SHOULD START AND END AT THE MIDPOINT OF A BAY WHENEVER POSSIBLE. SEE ROOF FRAMING PLAN TO DETERMINE WHICH P/N'S TO START & END WITH. INSTALL BOLTS TO SPAN CHANNELS THROUGH TOP TRACKS OR HEADERS @ 2'–0" OC. FIELD CUT EXCESS AT END OF RUN.

08 FIELD CUTTING
PARTS PROVIDED FOR OUR BUILDINGS OFTEN NEED FIELD CUTTING. ALL FIELD CUTS SHOULD BE DONE WITH ACCURATE MEASUREMENTS AND QUALITY TOOLS TO ASSURE THAT GOOD APPEARANCE IS NOT COMPROMISED. OUR SILL TRIM OFTEN NEEDS TO BE NOTCHED FOR CLEARANCE OF BOLT HEADS OR OTHER OBSTRUCTIONS. LAP JOINTS SHOULD ALWAYS BE ARRANGED TO SHED WATER FROM OVERHEAD OR FROM THE PREVAILING WIND DIRECTION. GOOD QUALITY & ACCURATE FIELD CUTS WILL MINIMIZE THE AMOUNT OF CAULK NEEDED AND PROVIDE FOR A GOOD APPEARANCE.

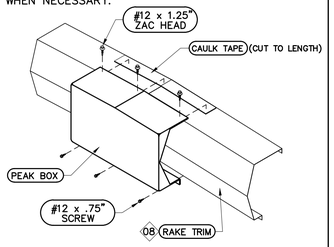


A DOOR FRAME SIDEWALL W/ DOOR ENDWALL ELEVATION



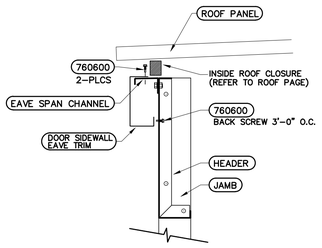
B CLOSET ENDWALL PANEL DETAIL ELEVATION, 1/4" PITCH

NOTE:
RIDGE CAP (NOT SHOWN) IS FASTENED TO THE ROOF UNDERNEATH THE RAKE TRIM WHEN NECESSARY.

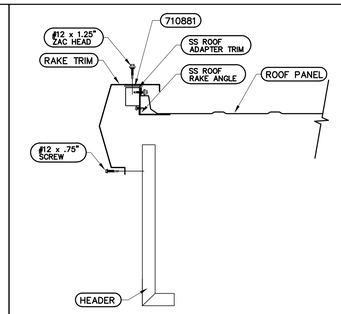


4 PEAK BOX CONNECTION DETAILS

TEMPORARILY FASTEN EAVE TRIM WITH 2–SCREWS. PLACE SCREWS WITH CONSIDERATION AS TO WHERE ROOF CLOSURES AND FASTENERS WILL BE INSTALLED LATER. BACK SCREW THE BOTTOM OF THE TRIM TO CLOSE THE GAPS. BE SURE TO HIT THE LIP OF THE TRIM.

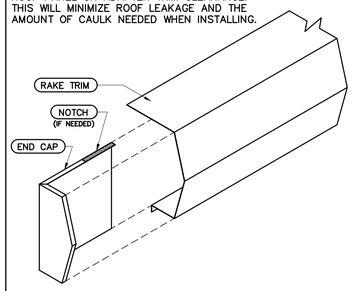


6 DOOR SIDEWALL/EAVE TRIM CONNECTION DETAIL



15 RAKE TRIM ABOVE HEADER CONNECTION DETAIL

NOTE: IF NEEDED NOTCH OR SLIT ENDCAP FOR ROOF PANEL OR ADAPTER TRIM CLEARANCE. THIS WILL MINIMIZE ROOF LEAKAGE AND THE AMOUNT OF CAULK NEEDED WHEN INSTALLING.



NOTCH ENDCAP AT RAKETRIM

REVISION	By Date

LICENSED PROFESSIONAL ENGINEER
01/21/22
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PROVINCE OF ONTARIO

TBS

Job Description
DAN TOSELLO
ALPHA STORAGE INC.
LOT 26, CONCESSION 7
MULMUR, ON

Sheet Title
EXTERIOR PANEL PAGE

Date 1/20/2022
Drawn by FS
Scale 1/2" = 1'–0"
Plan No. 55759
Order No. x
Sheet No. F2.0

PART # INDEX	
PART #	DESCRIPTION
5920019982	26ga. adapter trim, 16'–0" long
710881	Tri–Bead Tape Sealer
710892	Minor Rib Tape Sealer
710911	Metal Inside Closure
710933	fixed utility clip
710967	standing seam roof shaping tool
710969	#12–14 x 1.25" Hex head screw
710977	#12 x 1.25" SDWW (zac) screw, GALVM
71194_	Rake Support Angle, length varies
760600	#12 x 3/4" HWHSD screw
766000	1.5" o.d. fender washer

(120) **INSULATION FLAME AND SMOKE RATING**
THE COMPOSITE OF FIBERGLASS AND FACING SHALL HAVE SURFACE BURNING CHARACTERISTICS NOT TO EXCEED 25 FLAME SPREAD AND 50 SMOKE WHEN TESTED IN ACCORDANCE WITH UNDERWRITERS LABORATORIES 723 TEST METHOD OR ASTM E–84 TEST METHOD. INSULATION BY OTHERS TO MEET OR EXCEED THESE REQUIREMENTS.

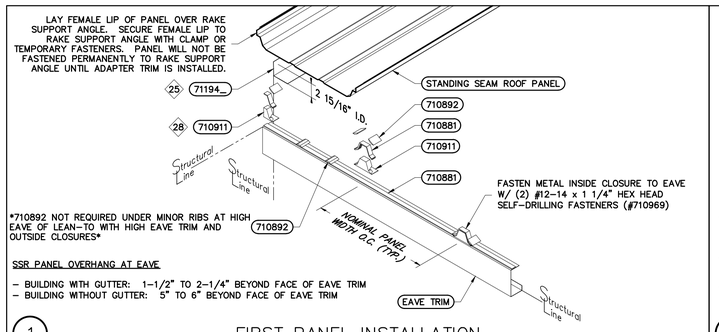
(25) **RAKE ANGLE / ADAPTER TRIM**
PLACE ACROSS END WALL FRAMING WITH VERTICAL LEG FLUSH WITH STRUCTURAL LINE. INSTALL 3" LEG VERTICAL. NOTE THAT RAKE ANGLE AND ADAPTER TRIM ARE NOT TO EXTEND BEYOND THE STRUCTURAL EAVE LINE OF THE BUILDING.

(28) **INSIDE CLOSURE**
FIELD CUT CLOSURE AT STRUCTURAL LINE IF END WALL HAS CLOSETS. CUT CLOSURE TO EXTEND 1 ¼" PAST STRUCTURAL LINE IF END WALL IS A–PANEL.

(29) **ROOF CLIP**
POSITION THE CLIP AT EACH PURLIN. ROTATE THE CLIP ON THE MALE LIP UNTIL VERTICAL. IT IS IMPORTANT THAT THE CLIPS PROJECTING LEDGE FITS SNUGLY UNDER THE PANEL'S HORIZONTAL LEG AS SHOWN. FASTEN TO PURLIN. THE PANEL CLIP HAS FACTORY APPLIED SEALANT IN THE UPPER LIP. IF A CLIP MUST BE REMOVED, A NEW CLIP MUST BE USED OR GUN–GRADE SEALANT INSTALLED IN THE UPPER LIP.

(43) **INSULATION INSTALLATION**
IT IS THE RESPONSIBILITY OF THE ERECTOR TO INSTALL THE INSULATION WITH CONSIDERATION THAT ALL VOIDS IN AN INSULATED WALL NEED TO BE FILLED WITH INSULATION. CARE SHOULD BE TAKEN TO ASSURE THAT EXTERIOR AIR INFILTRATION TO THE INTERIOR OF THE BUILDING IS MINIMIZED. LIGHT SHOULD NOT BE VISIBLE THROUGH CRACKS AND CREVICES. CAULK OR OTHER REMEDIES TO THESE SITUATIONS IS NOT SUPPLIED BY TRACHTE AND IS TO BE USED AND SUPPLIED AT THE DISCRETION OF THE ERECTOR AND/OR OWNER.

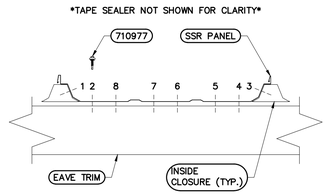
YOU MUST INSTALL THE INSULATION WITH THE VAPOR BARRIER TO THE CLIMATE CONTROLLED SIDE OF THE WALL & ROOF (INTERIOR).



SSR PANEL OVERHANG AT EAVE

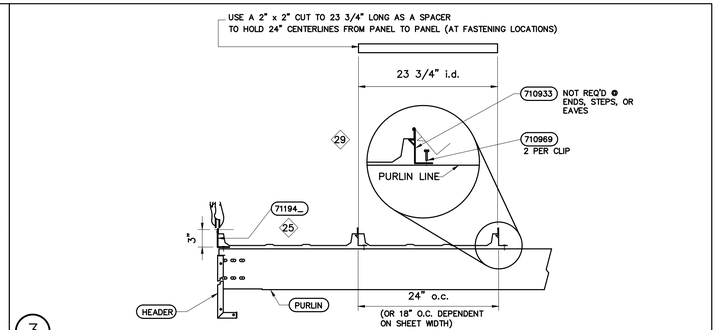
– BUILDING WITH GUTTER: 1–1/2" TO 2–1/4" BEYOND FACE OF EAVE TRIM
– BUILDING WITHOUT GUTTER: 5" TO 6" BEYOND FACE OF EAVE TRIM

1 FIRST PANEL INSTALLATION

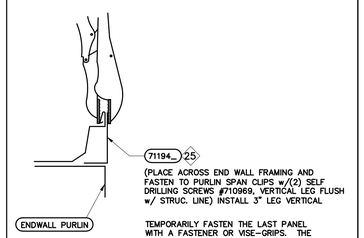


– ATTACH PANELS TO EAVE AND INSIDE CLOSURES AT THESE (8) LOCATIONS USING #12–14 x 1 1/4" ZAC© HEX HEAD SELF–DRILLING FASTENERS
– FASTENERS MUST PENETRATE TRI–BEAD TAPE SEALER, INSIDE CLOSURES, EAVE TRIM AND UNDERLYING EAVE SPAN CHANNEL
– IT IS ESSENTIAL THAT NOMINAL PANEL WIDTH IS MAINTAINED AT EAVE, WITH PROPER INSTALLATION OF INSIDE CLOSURES AND BY INSTALLING FASTENERS IN PROPER SEQUENCE

2 EAVE FASTENER SEQUENCE



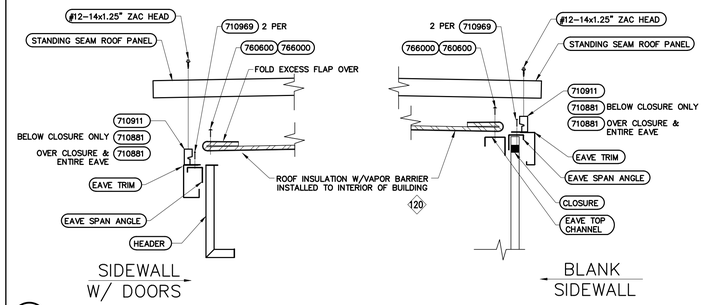
3 RAKE SUPPORT



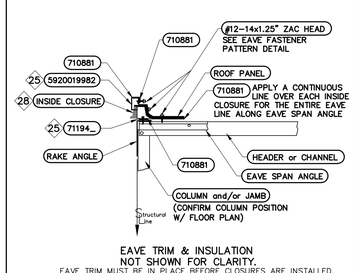
(PLACE ACROSS END WALL FRAMING AND FASTEN TO PURLIN SPAN CLIPS w/(2) SELF DRILLING SCREWS #710969, VERTICAL LEG FLUSH w/ STRUC. LINE) INSTALL 3" LEG VERTICAL

TEMPORARILY FASTEN THE LAST PANEL WITH A FASTENER OR VISE–GRIPS. THE PANEL WILL BE ATTACHED PERMANENTLY WHEN THE RAKE TRIM AND ADAPTER TRIM ARE INSTALLED.

8 TERMINATION PANEL



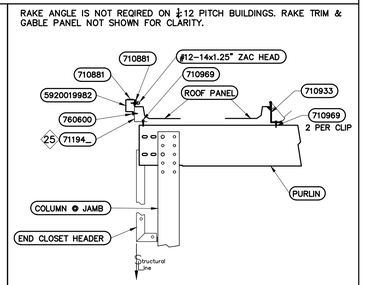
9 ROOF INSULATION w/SS–ROOF



EAVE TRIM & INSULATION NOT SHOWN FOR CLARITY.
EAVE TRIM MUST BE IN PLACE BEFORE CLOSURES ARE INSTALLED.

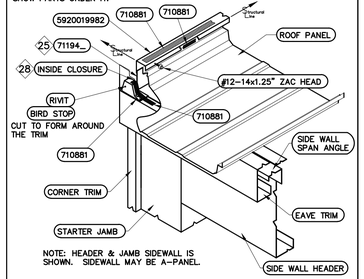
12 DOOR ENDWALL & STANDING SEAM ROOF DETAIL AT EAVE

RAKE ANGLE IS NOT REQIRED ON ≥12 PITCH BUILDINGS. RAKE TRIM & GABLE PANEL NOT SHOWN FOR CLARITY.



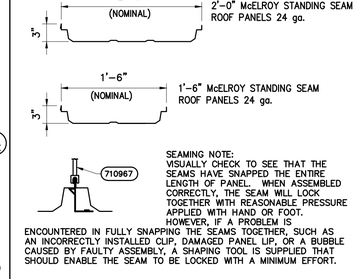
13 DOOR ENDWALL & STANDING SEAM ROOF DETAIL AT PURLIN & JAMB

NOTE: DO NOT EXTEND RAKE ANGLE OR ADAPTER TRIM BEYOND STRUCTURAL LINE. ROOF PANEL IS NOT TO BE CUT OUT AS SHOWN. PANEL IS ONLY CUT AWAY TO SHOW PARTS UNDER IT.



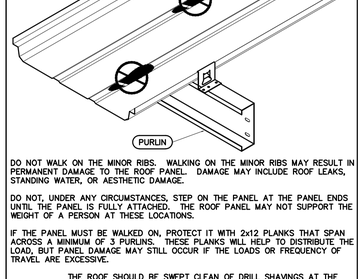
NOTE: HEADER & JAMB SIDEWALL IS SHOWN. SIDEWALL MAY BE A–PANEL.

14 STANDING SEAM ROOF & RAKE TRIM DETAIL



SEAMING NOTE:
VISUALLY CHECK TO SEE THAT THE SEAMS HAVE SNAPPED THE ENTIRE LENGTH OF PANEL. WHEN ASSEMBLED CORRECTLY, THE SEAM WILL LOCK TOGETHER WITH REASONABLE PRESSURE APPLIED WITH HAND OR FOOT. HOWEVER, IF A PROBLEM IS ENCOUNTERED IN FULLY SNAPPING THE SEAMS TOGETHER, SUCH AS AN INCORRECTLY INSTALLED CLIP, DAMAGED PANEL LIP, OR A BUBBLE CAUSED BY FAULTY ASSEMBLY, A SHAPING TOOL IS SUPPLIED THAT SHOULD ENABLE THE SEAM TO BE LOCKED WITH A MINIMUM EFFORT.

15 STANDING SEAM ROOF PROFILES



DO NOT WALK ON THE MINOR RIBS. WALKING ON THE MINOR RIBS MAY RESULT IN PERMANENT DAMAGE TO THE ROOF PANEL. DAMAGE MAY INCLUDE ROOF LEAKS, STANDING WATER, OR AESTHETIC DAMAGE.

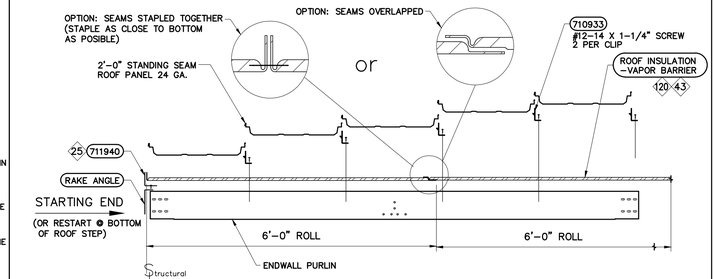
DO NOT, UNDER ANY CIRCUMSTANCES, STEP ON THE PANEL AT THE PANEL ENDS UNTIL THE PANEL IS FULLY ATTACHED. THE ROOF PANEL MAY NOT SUPPORT THE WEIGHT OF A PERSON AT THESE LOCATIONS.

IF THE PANEL MUST BE WALKED ON, PROTECT IT WITH 2x12 PLANKS THAT SPAN ACROSS A MINIMUM OF 3 PURLINS. THESE PLANKS WILL HELP TO DISTRIBUTE THE LOAD, BUT PANEL DAMAGE MAY STILL OCCUR IF THE LOADS OR FREQUENCY OF TRAVEL ARE EXCESSIVE.

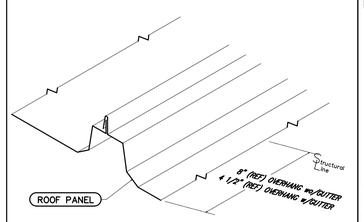
THE ROOF SHOULD BE SWEPT CLEAN OF DRILL SHAVINGS AT THE END OF EACH WORK DAY. FAILURE TO DO SO MAY RESULT IN RUST SPOTS.

16

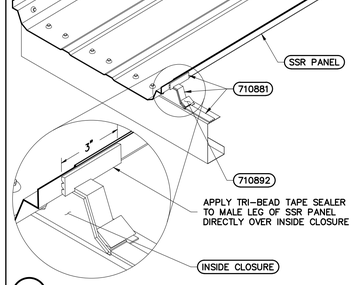
* LOWER RAKE ANGLE IS NOT NEEDED ON 1/4:12 PITCH BUILDING W/ ENDWALL DOORS



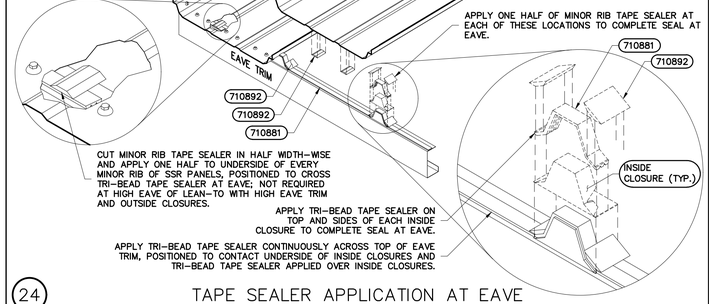
17 ROOF PANEL & R–2 INSULATION LAYOUT/LAP DETAIL



19 OVERHANG DETAIL AT LAPPED RIB ($\frac{1}{4}$ & $\frac{1}{2}$:12 PITCHs)



21 TAPE SEALER AT NOTCH



24 TAPE SEALER APPLICATION AT EAVE

REVISION	By Date

LICENSED PROFESSIONAL ENGINEER
01/21/22
W. M. HOGAN
20024014
PROVINCE OF ONTARIO

TRACHTE BUILDING SYSTEMS, Inc.

TBS

Job Description
DAN TOSELLO
ALPHA STORAGE INC.
LOT 26, CONCESSION 7
MULMUR, ON

Sheet Title
STANDING SEAM ROOF

Date 1/20/2022
Drawn by FS
Scale N.T.S.
Plan No. 55759
Order No. x
Sheet No. G1.0